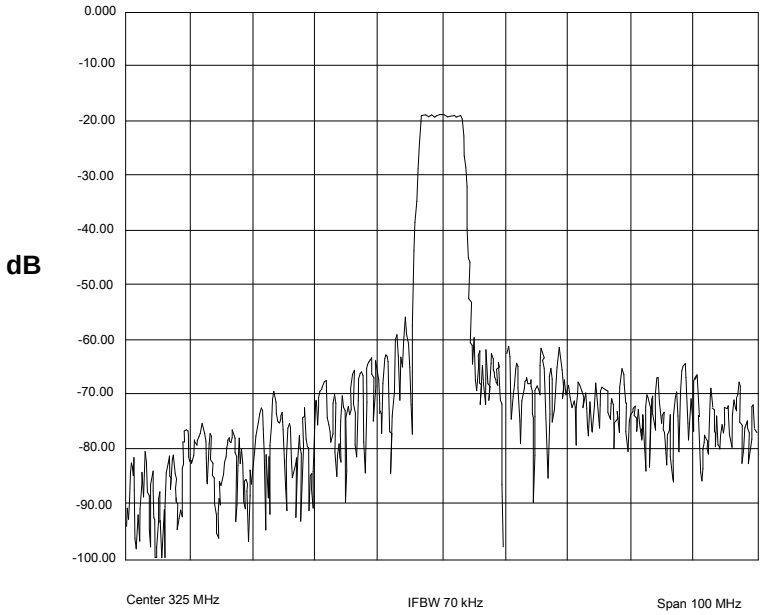
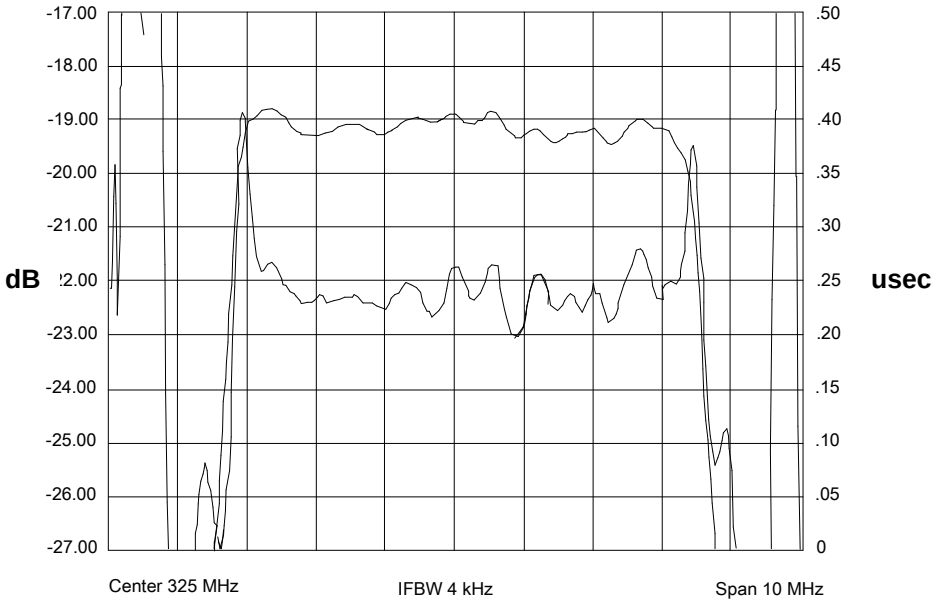
DESCRIPTION

- Miniature 325 MHz SAW Filter with 6.7 MHz bandwidth.
- 5 x 7 mm LCC package.
- RoHS compliant

TYPICAL PERFORMANCE



S21 Response



Passband Ripple and Group Delay Ripple

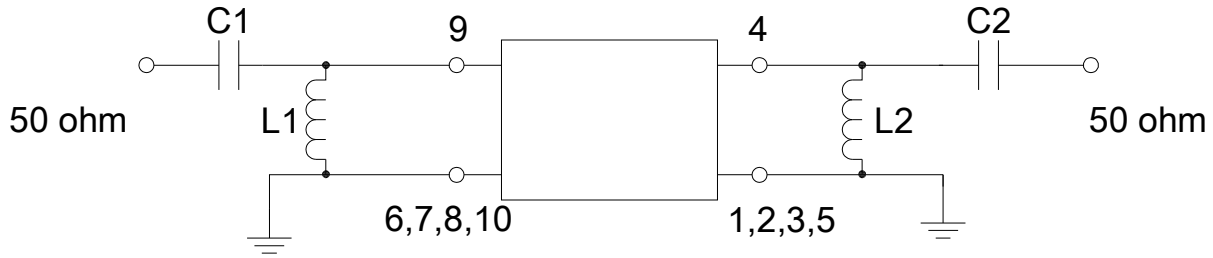
SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency F_C	-	325	-	MHz
Minimum Insertion Loss (IL)	-	18.6	20	dB
1 dB Bandwidth	6.3	6.4	-	MHz
3 dB Bandwidth		6.7	6.9	MHz
Passband Ripple (Fc±3MHz)	-	0.9	1.5	dB
Amplitude Ripple at any 26.875kHz adjacent segment within 6 MHz	-0.1	±0.07	0.1	dB
Amplitude Ripple at any 24.6875kHz adjacent segment within 6 MHz	-0.1	±0.06	0.1	dB
Phase Linearity at any 26.875kHz adjacent segment within 6 MHz	-1.5	±1.0	1.5	deg
Phase Linearity at any 24.6875kHz adjacent segment within 6 MHz	-1.5	±1.0	1.5	deg
Attenuation (Reference level from Minimum Insertion Loss (IL))				
Fc±3.5MHz	-	2.5	-	dB
Fc±4MHz	10	13.5	-	dB
Fc±5MHz	33	42	-	dB
288MHz - 320MHz	34	39	-	dB
330MHz – 362MHz	36	40	-	dB
Optimal Source Impedance (Balanced)	-	200	-	Ω
Optimal Load Impedance (Balanced)	-	200	-	Ω
Ambient Temperature		25		ºC
Temp Coefficient		-0.036		ppm/ºC^2

MAXIMUM RATINGS

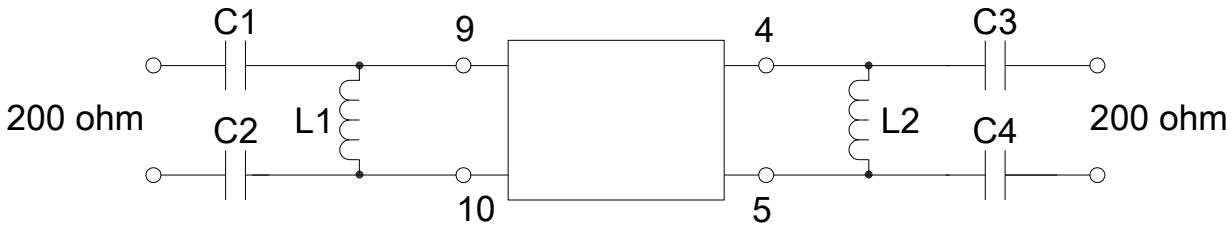
Parameter	Min	Max	Units
Storage Temperature Range	-40	+85	ºC
Operating Temperature Range	-40	+85	ºC
Input Power Level	-	10	dBm

MATCHING CIRCUIT



Single end 50 ohm to Single end 50 ohm

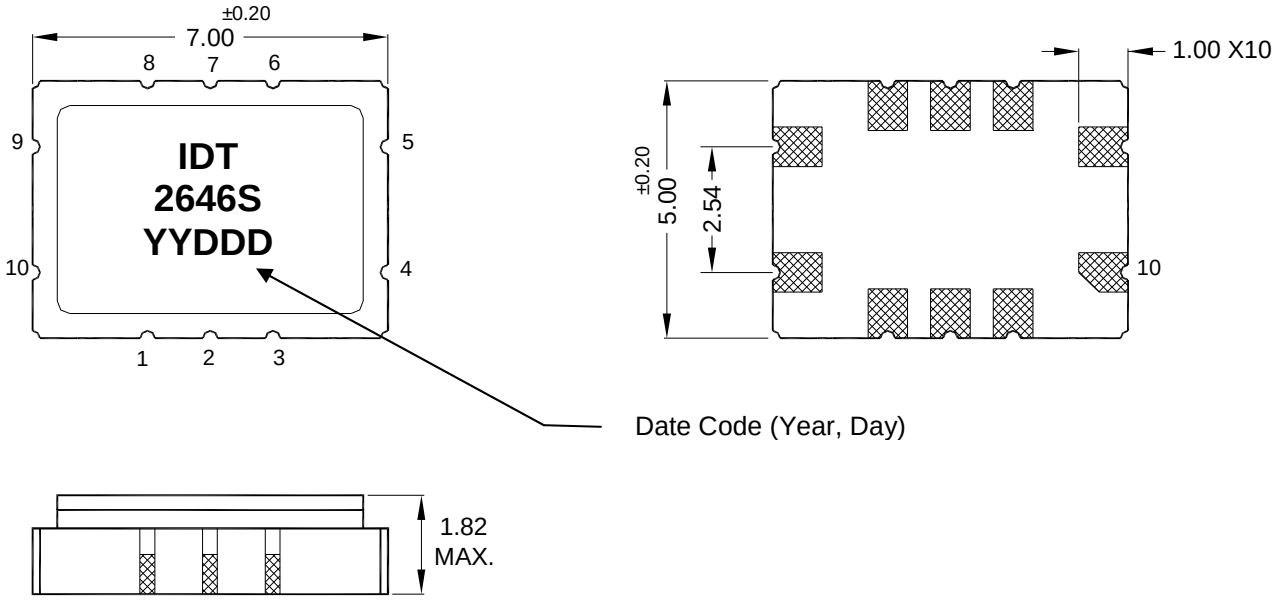
L1=27nH, L2=28nH, C1=2pF, C2=1.8pF



Balanced 200 ohm to Balanced 200 ohm

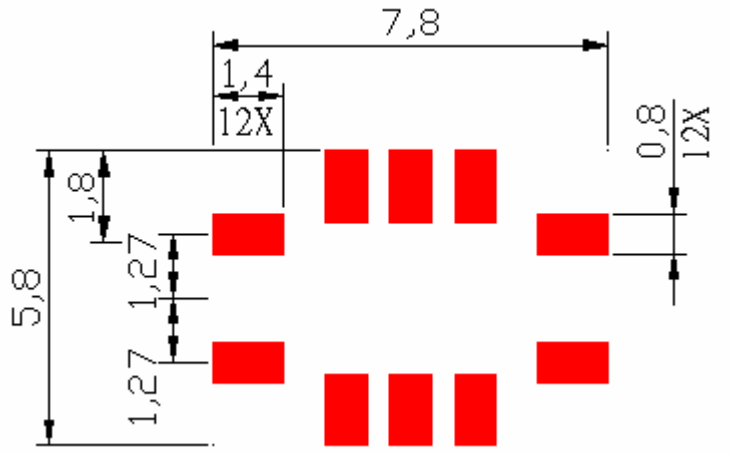
C1-C2=2.7 pF, C3-C4=2.0 pF, L1=33 nH, L2=36 nH

PACKAGE OUTLINE & MARKING



Package Material:
Body: Al_2O_3 ceramic
Lid: *Kovar, Ni* plated
Terminations: *Au* plating 1 µm min, over a 1.3-8.9 µm *Ni* plating

SUGGESTED FOOTPRINT



Units: mm

Tolerances are typically ±0.15 mm except where indicated.

Pad Configuration:
Balanced Input: 9,10
Balanced Output: 4,5
Ground: All other pads

ISO 9001 Registered

All specifications are believed to be accurate and reliable. However, MNC reserves the right to make changes without notice.
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